WTCI Documents Database - Data Entry Report

Initial Document Information

File Category ID: 4295 / WTCI - 000006 - SOM
Delivery Method: Other
Document Type: Letter
Format Type: Hard Copy

Date Entered: 5/10/2006
Date Received: 11/4/1988
Document Date: 11/4/1988
Number Copies: 1

Detailed Document Information

Sender ID No.: F+K Reference No. 88
Primary Organization: SOM
Forwarded by: Beech, Jack
Forwarded by (Org. Name): Flack and Kurtz
Document ID Number: SOM Box 4112
Document Author: Beech, Jack
Document Author 2: NA, NA
Document Author 3: NA, NA
Doc. Author (Org. Name): Flack and Kurtz consulting Engineers
Document Addressee: NA
Doc. Address. (Org. Name):
Document Title: SBI Emergency Generator Configuration on 5th Floor
Attachments: Yes
Attachment Title(s): STANDBY GENERATORS 5TH FL 1400kw

Technical Categorization

Classification: Materials Agreement
Keywords: WTC 7
Mech/Elec
Design
Generators
Category Name: Skidmore, Owings, & Merrill LLP
Category Abbrev.: SOM
Room Location: SOM
Cabinet Location: 102
Notes:

Flack + Kurtz
Consulting Engineers

475 Fifth Avenue
New York, NY 10017
212 532-9600

Chicago
Denver
San Francisco

USM
CM
DS
SA
6284-
1600

WTCI-6-SOM

November 4, 1988

Mr. Manuel Fernandez
Salomon Brothers Inc.
Two New York Plaza
New York, New York 10004

X

Re: SBI @ 7WTC
F+K Reference No. 88.22440.00
Standby Generators

Dear Manuel:

Attached is a revised basic sketch SK-Gen-5 showing the agreed upon standby generator configuration and location as determined at our weekly meeting on November 3, 1988.

I am sending this and other pertinent information to Syska & Hennessy, together with an answer to their letter of October 12, 1988. I will ask for a timely agreement from Syska & Hennessy for this configuration. As details of the actual design develop, I will keep them continually informed.

Yours truly,

FLACK + KURTZ Consulting Engineers

Jack Beech, P.E.
Principal

JB/ksp

cc: R. White - SBI
R. Pavesi - M/D
A. Miller - SPI
W. Mathison - SOM
V. Campanella - F+K
D. Daniels - F+K

RECD - SOM - NY

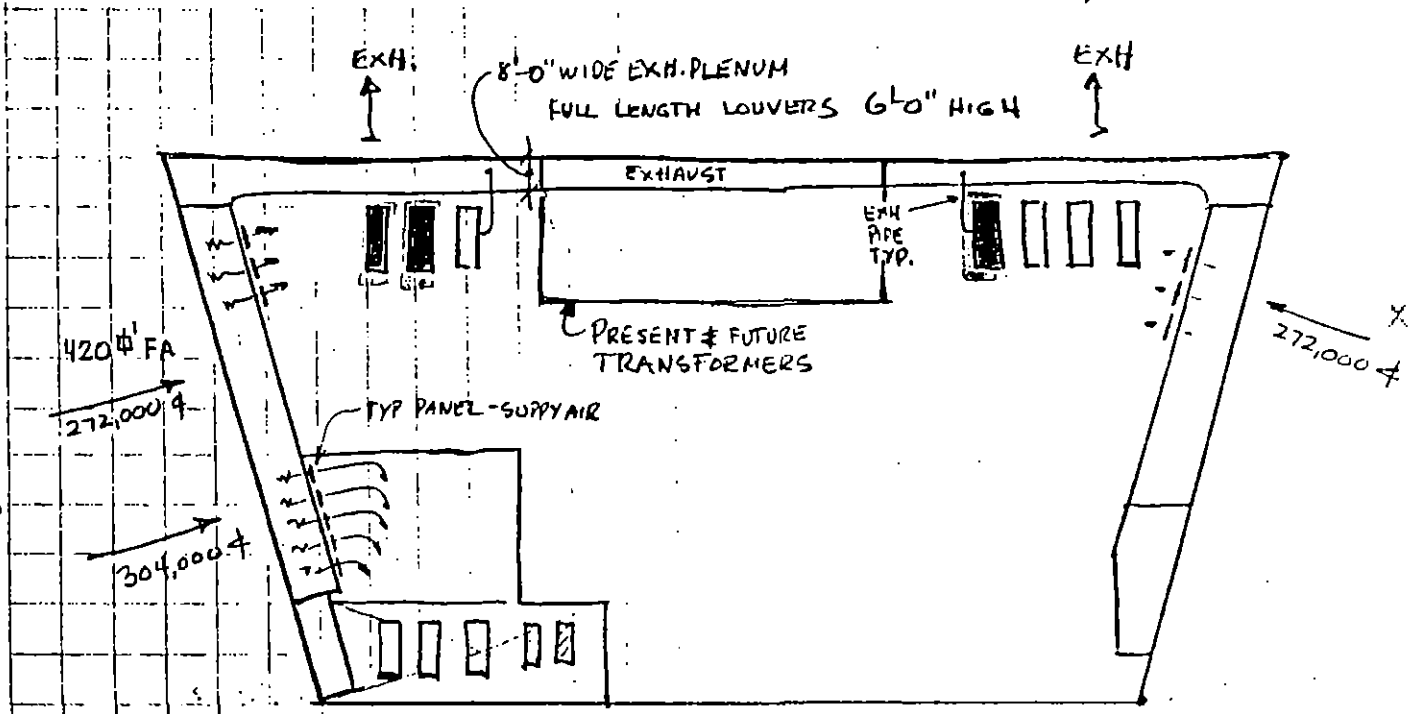
1988

sign
lculations

Building SB1 @ 7WTC — Project No. ____

Subject STANDBY GENERATORS 5TH FL 1400 KW — Date 11-4-88

Sheet No. 1 of 1 ~~Computed by~~ SK-GEN-5 — Checked by ____



1995 7 GENERATORS

[redacted] 3 GENERATORS

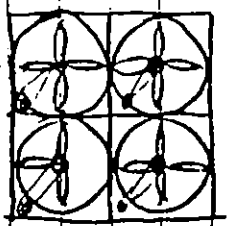
10 GEN. TOTAL

$$\frac{272{,}000 + 304{,}000}{420\ \Phi'\ FA} = 1371\ ^{1}/_{min} > 1000\ ^{1}/_{min}\ \text{NOMINAL}$$

EST. ΔP INCREASE FROM .10 TO .20 "H_2O

PRESENT & PLANNED OPENING FROM PLENUM = 8'0" x 8'-0"

EQUIP W/ PROP FANS RATED @ .50" P.D. (CONNECT TO STDBY GENERATORS)



48" PROP FAN (4 PER OPNG)
GREENHECK SPN-48 (EXAMP.)
29,000 # @ .5" H_2O 8.25 BHP (INCL .15" SHUTTER PRESS.)
4 x 8.25 = 33 BHP/PANEL
4 x 29,000 = 116,000 CFM/PANEL - SUPPLY AIR (MAXIMUM)
(TYPICAL FOR MAXIMUM OF 11)

lack +
urtz
onsulting
ngineers
75 Fifth
venue
lew York
I.Y. 10017
212)